

Yale University

Graduate School of Arts and Sciences



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The first Ph.D. awarded in the US, Yale, 1861
(text in Latin)

About Yale

- Nation's **oldest** graduate school; founded in 1847
- **First** to award the PhD in USA (1861)
- **First** university to award PhD to an African American:
 - **Edward A. Bouchet (1876)**
 - 6th person to earn a Physics PhD in western hemisphere
- **First seven** women received the PhD from Yale in 1894



Edward Alexander Bouchet



Portrait by Brenda Zlamany

Yale University



Composed of 14 schools:

1. **Graduate School of Arts and Sciences**
2. Yale College (Undergraduate Programs)
3. 12 Professional Schools:
 - Architecture
 - Art
 - Divinity
 - Drama
 - Engineering and Applied Science
 - School of the Environment
 - Law
 - Management
 - Medicine
 - Music
 - Nursing
 - Public Health

Graduate School of Arts and Sciences



- Over 70 different academic disciplines leading to MA, MS, MPhil and PhD Degrees:
 - Biological Sciences
 - Engineering & Applied Science
 - Humanities
 - Physical Sciences
 - Social Sciences
- 5 Joint-Degree PhD Programs:
 - Law
 - Management
 - Medicine
 - Forestry and Environmental Studies
 - Public Health

Magnificent

LIBRARIES



Yale's library system is one of the largest academic library systems in the world.

- 15 individual libraries
- Over 15 million print and electronic volumes
- Subscribes to over 120,000 periodicals
- Over 3 centuries of collections
- Member of **Research Libraries Group** providing access to the resources of Columbia University; University of Pennsylvania; New York Public Library; Brown University; Cornell University; Dartmouth College and Princeton University



Cutting-edge

FACILITIES



Yale is one of the world's pre-eminent scientific research institutions, with state-of-the-art facilities



- Yale has the laboratories and facilities to enable ground-breaking, world-changing discoveries



- Yale has recently invested more than \$1.5 billion in new research facilities



- New Yale Science Building
 - 240,000 sq.ft. laboratory building
 - Rooftop greenhouse
 - Quantitative biology center
 - Completed 2019



Trendy

ART MUSEUMS



Yale University Art Gallery

Oldest college art museum in the Western hemisphere



Yale Center for British Art

Largest collection of British paintings, prints, drawings, rare books, and sculptures, outside Great Britain



Yale Peabody Museum of Natural History

- Holds the 2nd largest repository of dinosaur artifacts in the USA
- Has the largest intact Apatosaurus in the world



DIVERSE

NEW HAVEN



**“LARGE ENOUGH TO BE INTERESTING,
YET SMALL ENOUGH TO BE FRIENDLY”**



- New Haven is located half-way between Boston and New York City

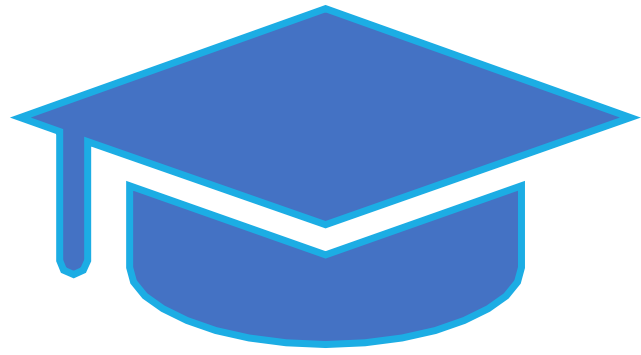


- A wide range of social, cultural, arts and recreational opportunities

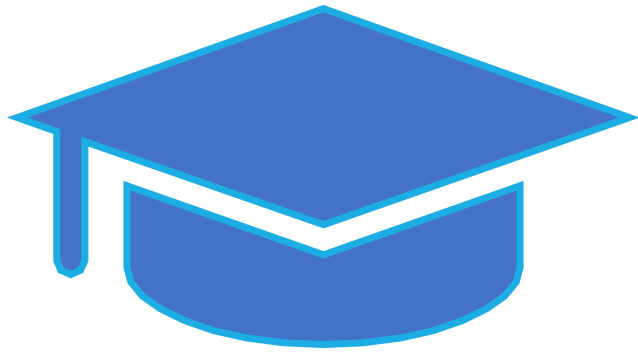


- Affordable, diverse neighborhoods: from quiet residential blocks to lively downtown streets

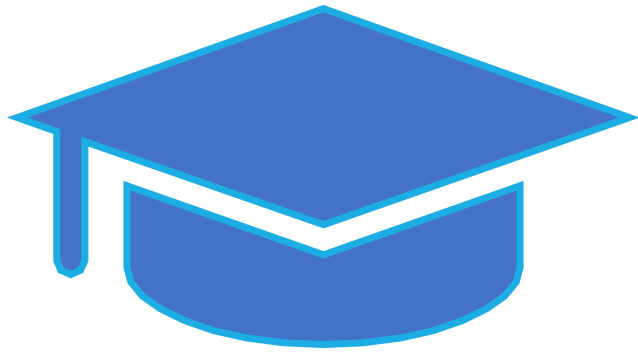




WHAT IS GRADUATE SCHOOL?



Advanced studies beyond the Bachelor's Degree
Focused on specific academic discipline

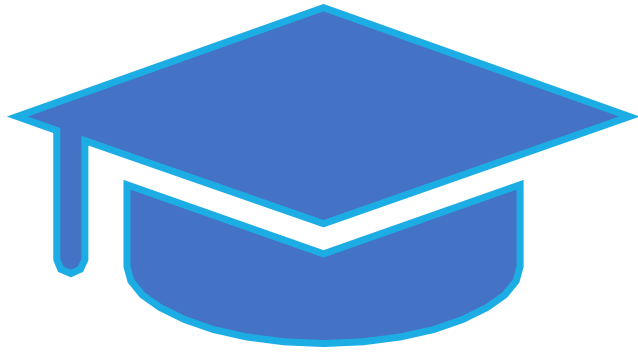


MA, MS, PhD

Concentrated course of study
Independent research
Original contribution to the field

JD/PhD, MD/PhD

Joint degree



Skills Developed

Research

Writing

Critical Analysis

Time Management

Investigative Techniques

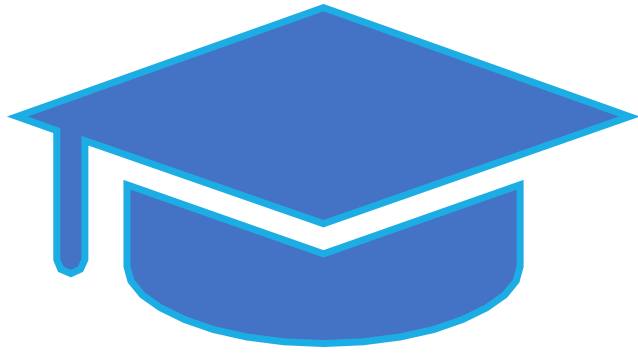
Organizational Skills

Public Speaking

Performing Under Pressure

Ability to work as part of a team

Independence



Career Options

Entry qualification for academic employment in
higher education

Faculty

Administration

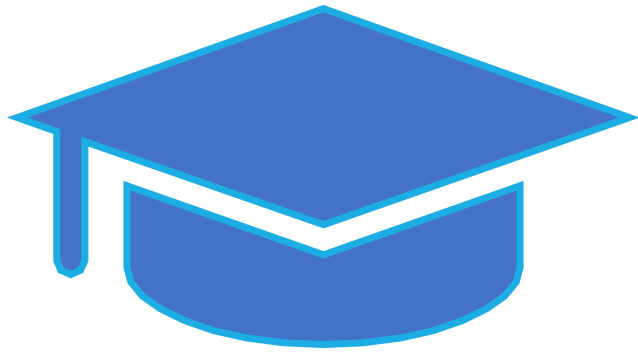
Corporate, non-profit and government

Policy Analyst

Consultant

Human Resources Manager

Program Manager



Research beyond academia

Director of Research

Research Analyst

Survey Researcher

Statistician

Practitioners

Community Developer

Program Director *in social services agency*

Entrepreneur

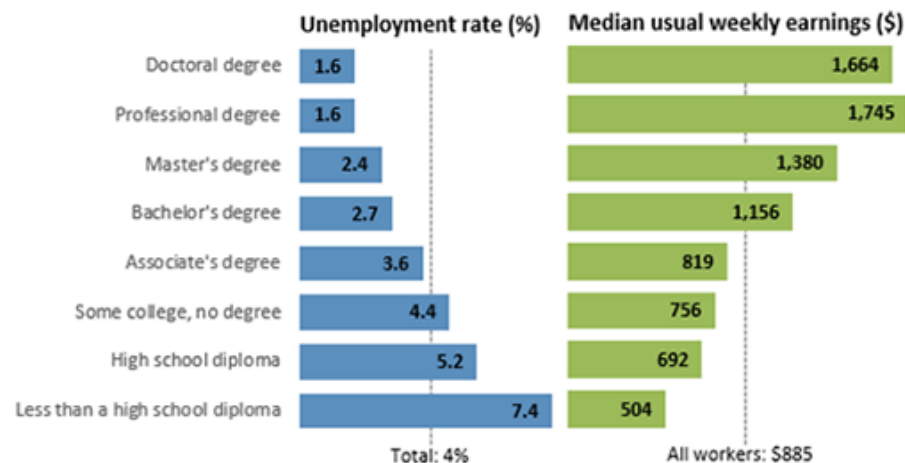
Writer

Artist

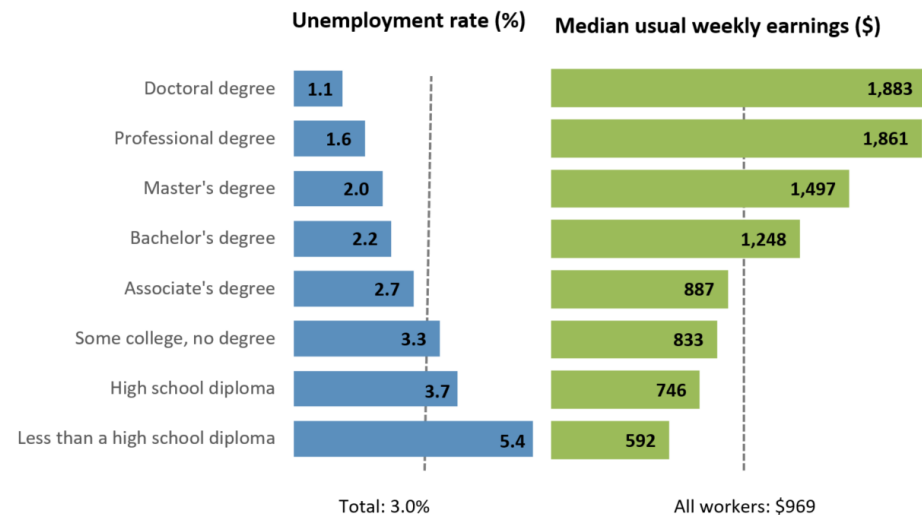
Musician

Unemployment Rates and Earning Potential

Unemployment rates and earnings by educational attainment, 2016



Unemployment rates and earnings by educational attainment, 2019



Note: Data are for persons age 25 and over. Earnings are for full-time wage and salary workers.
Source: U.S. Bureau of Labor Statistics, Current Population Survey.

Source: : U.S. Bureau of Labor Statistics , Current Population Survey



Application Components

GRE Scores

Transcript

Letters of Recommendation

Personal Statement

Writing Sample



Optional

Resume/CV

Diversity Statement

External Fellowship

Contact Faculty



What is a personal statement?

1. The personal statement or statement of purpose is an admissions essay that provides additional information about who you are, why you want to apply to a particular program, and your academic and/or relevant work experiences.
2. It demonstrates your ability to write a clear, logical, coherent essay that's grammatically correct.
3. Helps admissions committees to determine whether you may be a “good fit” for a particular program.



Composing a Personal Statement

Why are you choosing to attend Graduate School?

What field do you have experience in and would like to pursue at a deeper level?

Why are you interested in *the specific field*?



What degree do you plan to pursue?

List at least 10 graduate schools you would like to attend.

Why are you choosing to apply to specific graduate schools?



List all research experiences and internships. Include a brief description for each.

List all volunteer activities. Include a brief description for each.

What are your specific qualifications?

What is special, unique, or impressive about your life story?



Tips

Avoid clichés and unfamiliar acronyms.

Do not plagiarize.

Organize your thoughts.

Have a strong and original introduction and ending.

Do not repeat at length information in a CV or resume.

Stay upbeat.

School of the Environment

- Research is being conducted on almost every continent.
- Students pursue questions that often span disciplinary boundaries and have both social and natural science dimensions.
- Research degrees include the PhD, MEd, and MFS.



(Photo by Michael Marsland)

School of Engineering and Applied Science

- Applied Physics
- Biomedical Engineering
- **Chemical and Environmental Engineering**
- Computer Science
- Electrical Engineering
- Mechanical Engineering and Materials Science



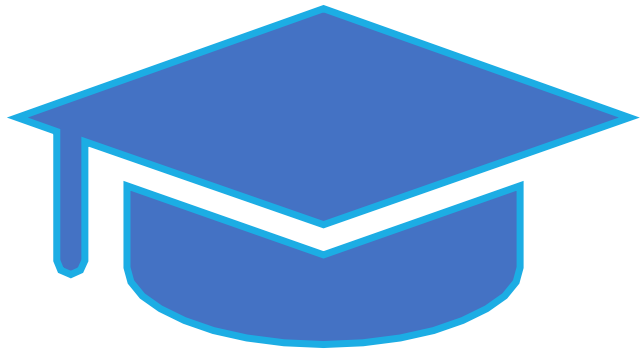


Energy Research @ Yale

<https://seas.yale.edu/faculty-research/research-areas/energy>

Yale Environmental Engineering faculty are addressing global challenges by applying their core disciplinary skill sets in biotechnology, chemistry, and process engineering to develop the next generation of biofuels, extract energy from waste materials, and lower the energy costs of water treatment and delivery.

A strong interdisciplinary environment encourages the integration of science and engineering with economics and policy to ensure the sustainable development of new energy technologies.



QUESTIONS???